

Questions and Answers
ETTP Utility Upgrade

1	Do we have to be on the ORNL approved subcontractors list to bid this type stuff or is that all separate from you guys? ETTP Utility Upgrade: Design/Build Sanitary Water System, Sanitary Sewer System, and Sewerage Lift Station to Support Future Land Use of K-31 and K-33 Building Sites	There was no "prequalification" for the RFP. The qualification criteria are an attachment in the RFP.
2	Do you expect the site visit delay to shift the proposal submission deadline to the right as well?	See Question 3 response
3	Will UCOR consider granting a minimum of a 4-week extension to proposal due date, since revised drawings were handed out on 10/18; we understand there is an additional amendment pending; and the site visit/drawings distribution was delayed until 2 weeks after the RFP release date. Typically, bidders need a minimum of 3 weeks to develop conceptual designs and 2 subsequent weeks to develop construction pricing. Please consider extending the due date to 12/5.	Due date extended to Thursday, December 8, 2016. Amendment to RFP will be issued.
4	Will UCOR consider modifying the contract type from Design-Build to Design-Bid-Build or changing the structure to cost-reimbursable? There are significant unknowns associated with the scope and technical specifications that put significant risk on the bidders.	UCOR will not modify the contract type of this solicitation.
5	Please provide geotechnical data for the proposed route.	Full geotechnical data is not currently available for this entire area. The subcontractor will need to complete area surveys as part of the design process. However, for informational purposes, a "Perimeter Road Depth to Bedrock" mapping is to be provide.
6	Please provide additional detail on the change process (GC-9) (We understand that UCOR is submitting a proposal to DOE for this work): Will changes or REAs, if identified, also require DOE consent?	Changes/Requests for Equitable Adjustments will be processed in accordance with Exhibit A "General Conditions". Changes/Requests for Equitable Adjustments will not require DOE consent unless the proposal exceeds UCOR's authorization threshold.
7	GC-9.2 states that the subcontractor has no right to delay or extend work while changes are negotiated / approved. If significant changes are encountered, subcontractor may be performing significant values of work at risk. Please detail the expected time for UCOR (and DOE is required) to review and approve / negotiate a Subcontractor-submitted change request or REA. Please consider some relief for subcontractors performing at-risk work if this time frame is significant	UCOR attempts to resolve Change Orders and REAs within 30 working days of receipt depending on the complexity of the change and its dollar impact. This timeframe, however, is not guaranteed. The resolution of these actions will be expedited by the Bidder's inclusion of a "stand by rate", all labor category base rates and equipment/material costs with a breakout of all associated markups for potential changes in their proposal. If a changed condition occurs, the subcontractor shall comply with the site's Work Control program which dictates the authority of all site personnel to stop work for safety and assessment reasons.
8	Will DOE require review of the final design before construction? If so, what design standards will be required?	DOE review is not required.
9	Please provide available specifications (or points of contact) for all non-UCOR affected parties or stakeholders, such as: a. EnergySolutions b. Rail road owner (if not Energy Solutions) c. Other affected landowners or lessees d. City of Oak Ridge e. CROET	UCOR shall provide an interface with all non-UCOR affected parties or stakeholders.

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10	Are easements or rights of way in place for non-UCOR land? If not, who will obtain these easements and when?	The currently proposed water lines and sewer line route (per Exhibit F "Drawing List and Drawings") requires no easement as the land and bridge are owned by DOE. Once the final path is determined, any easement requests will be UCOR's action.
11	Please provide structural details of the bridge over Poplar Creek as well as details on any utilities current supported from the bridge. Would a directional-drill crossing of the creek be considered for the sewer force-main and water line rather than the bridge crossing?	<p>Attached are the 2014 "Bridge Safety Inspection Report for Bridge K-1250-4 Perimeter Road over Poplar Creek" and 2016 "Bridge Safety Inspection Report for Bridge K-1250-4 Perimeter Road over Poplar Creek" reports. It is the responsibility of the Bidder to evaluate structural design parameters.</p> <p>Drawings for bridge posted.</p> <p>A directional-drill crossing of the creek – without disturbing the shoreline or creek bed (thus under the water table) -- is fine. Bridge crossing is not required. If the boring of a water way is proposed additional requirements will be added to the subcontract via formal modification.</p>
12	Please provide a list of planned demolition and remediation activities, including transportation routes, within the project's footprint (UCOR and non-UCOR) as well as dates of these planned activities as they will affect the subcontractor's planned schedule for install	<p>Bidders are to submit a planned schedule anticipating no interference from demolition or remediation activities.</p> <p>Demolition: Using the recommended route or sliding the line west of Perimeter Road should result in no demolition or remedial action within the project's footprint. If the determined route shifts to the east, proximity of the following facilities could impact this project:</p> <p>K-1203 - Waste Water Treatment Plant K-832-H – Retainage Basin for K-832 Pump House</p> <p>Transportation: Transportation of demolition debris should not interfere with this utility installation. The project has 3 separate routes that can be utilized, if necessary (see attached photo depiction). However, notification of Perimeter Road impacts/closures is required, at least 30 days ahead of occurrence.</p> <p>Remedial Actions: (map "Potential RAs in EU-11 and EU-12" to be provided) The planned remedial action in EU-11 is schedule for October to December of 2017.</p> <p>The planned remedial action in EU-12 is scheduled for August to September of 2017.</p>
13	Please confirm the statements made in the pre-bid meeting that the subcontractor is not expected to encounter radiological or hazardous contamination along the proposed route. Please detail how work is expected to proceed if contamination is found (i.e., will it be remediated prior to pipe install and by whom)	If the route for these utility lines is near the recommended drawing location or on the west side of Perimeter Road, no contamination is expected (based upon Exposure Unit characterization). Accordingly, it is

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		<p>anticipated that this installation will not encounter sub-soil hazards or contamination.</p> <p>Should contamination be found, work shall stop and appropriate controls will be put into place before work resumes, per Exhibit D SOW Section 2.5 Field Work.</p> <p>Hazard abatement will be the responsibility of UCOR to remediate.</p>
14	SOW states that UCOR will be responsible for radiological monitoring. Who will perform hazardous contamination monitoring (i.e. mercury, VOCs, etc.)?	UCOR will provide both Radiological and Industrial Hygiene Technicians to perform hazard monitoring , per Exhibit D SOW Section 3.1.
15	Please detail the expected design review (by UCOR and City of Oak Ridge) process and durations for the 30%, 60% and 90% design packages, as this may significantly affect the submittal milestones on SC-2. Please provide the City of Oak Ridge design standards	<p>Refer to Exhibit I and Attachment A for the process and durations for the review of the design package milestones. The City of Oak Ridge website link is provided in Exhibit E, Section 2.0.</p> <p>Design submittals provided to UCOR at 30%, 60%, and 90% will be provided to the COR and a joint meeting well be organized (by UCOR) to discuss/resolve design parameters.</p>
16	If we propose another route for the utilities, who is responsible for confirming the absence of radiological and hazardous contamination along the new route?	UCOR will evaluate the route per Exhibit D SOW Section 3.1.
17	Will UCOR provide the rationale for the proposed utility routes? At the pre-bid meeting, it was stated that the “preference” is not to route the utilities within the paved portion of the roadway. Is that preference a firm design restriction?	<p>The route was based upon access to the utilities. The proposed utilities are to replace the aging existing utilities “Exhibit F, Drawings Lists and Drawings”. The original route of the water lines and sewer utilities ran generally parallel to the original footprint of the facility.</p> <p>The proposed utility route was run along Perimeter road.</p> <p>It is up to the Subcontractor to determine the most cost effective design that meets the scope of work and technical specifications. Written rationale for the proposed utility route should be provided by the subcontractor with the proposal bid.</p> <p>Utilities may cross under the road way; accordingly, there is not a firm design restriction relative to the paved portion of the road.</p>
18	Who will perform the tie-ins to existing utilities?	The City of Oak Ridge will perform the tie-ins.
19	Is there any preliminary design data related to the water demand and sewer flows for the proposed area? What was the preliminary water line and sewer utilities based on? Is there any information about the future industrial tenants within the CROET area (number of industrial sites, type of industries, potential manufacturing processes, etc.)?	<p>The preliminary water line and sewer utilities’ parameters are based upon;</p> <p>sanitary water – 12”diameter line with industrial fire flows;</p> <p>sanitary sewer- 8” diameter gravity to the lift station and 4” diameter force main to the site wide lift station with the ability to expand daily usage for between 50-200 individuals.</p> <p>The scope of this subcontract, Exhibit D “Scope of Work”, is the replacement of existing systems.</p>

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20	Due to the scope of this project I would like to request that the bid date be extended in order to have adequate time to prepare a thorough proposal and solicit competitive quotes.	Refer to Question 3 answer
21	Are the drawings mentioned in this amendment (2) in another file beside the SOW file? It looks like only one of them changed but I can't print it out clearly.	The drawings mentioned are located in Exhibit F, Drawings list and Drawings. These drawings were also provided on the DVD handed out at Pre-proposal Meeting
22	Is there an existing SCADA system to tie in to? Is there a preferred SCADA vendor?	Yes, there is a SCADA System to tie into. The City of Oak Ridges' system is a "Schneider Electric Telemetry and Remote SCADA system that is "cell based". Technical Specification 3.2 Design Requirements, last two bullets discusses the system's requirements.
23	When is the "pre-qualification" information due to UCOR?	This information is to be submitted with the proposal.
24	When will UCOR provide information requested in Question #9? This includes permits, cost of permits and how long it takes to get permits for rail road crossing.?	UCOR shall provide an interface with all non-UCOR affected parties or stakeholders. UCOR will provide any permits required by any of the other stakeholders.
25	Can the proposal due date be extended to 12/15/16?	Yes, the proposal due date can be extended to 12/15/16.
26	Will UCOR be responsible for the disposition of the excess soils materials from the trench excavations that is not utilized to backfill the trench(s)?	UCOR will put the excess soils in our site spoils area after the soils are rad surveyed
27	Is water available to flush and test the newly installed lines?	UCOR will provide water to flush and test the newly installed lines.
28	How is the test water/solutions to be dispositioned – will UCOR disposition the materials if they cannot be released to the ground or waterway?	UCOR will dispose of any contaminated soils or water generated.
29	How will stand down time be handled? It was stated in the pre-bid that if rad or chemical contamination is found during the excavation, we step back and UCOR will come in and remove the contamination. During the time it takes to do the clean-up, will we be paid a standby rate for our labor and equipment? If so, do we need to provide a rate?	Yes, Standby rate is to be provided by bidder in Exhibit C Form A section 5.0.
30	Do we need to provide a meter(s) or is this something the city will provide during the tie in?	Bidders shall purchase and install the meter-setter (must be compatible with COR systems) Then when the water is turned on UCOR will apply for a meter and the COR will install meter at no charge.
31	In order to size the pumps in the lift station, the specification states 200 people as well as to assume so much water usage per individual per shift. Is the 200 people, the total number of people the system needs to sized for or do we need to assume 3 shifts and 600 people? Also the specification requires to accommodate for further growth – is there a projection of assumed growth to use?	The volume needs to support approximately 200, period. The system design needs to support the ability to expand system.
32	Technical specification page 7 of 11 – Is the existing electrical service 13,800 volts or 480 volts?	The existing power is 13.2. We (UCOR) will provide the pole transformer.
33	Who makes the electrical tie-ins?	UCOR, will do the tie-ins
34	The lift station is to be connected to the telephone system. Will the telephone system be located at the existing electrical pole that is existing?	Yes
35	Are there any existing electrical or SCADA drawings of the existing lift station?	There is no SCADA to the existing lift station, so no, there are no SCADA drawings. There are electrical drawings – the line is owned by the COR so those drawings should be available through COR.
36	Can electrical conduit be installed in the same ductbank with the sewer or water?	No. Electrical will be run on power poles.

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